



Wilshire Software Technologies

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Oracle 11g RAC Schedule	
Topics	
Week - 1	INTRODUCTION: Introduction of Clusters, Types of Cluster, Components of a Cluster, Hardware, Requirement for Clusters, Define Oracle Real Application Clusters, List the advantages of using RAC, RAC Architecture And Concepts, SGA structures, Background processes.
	Oracle 11g RAC Installation: Operating System preparation for RAC, Introduction to Network hardware, Private and public network configuration, SHMMAX and Semaphores for Oracle11g RAC, Groups and Users for Oracle software, Cluster Setup Tasks, Introduction to 11g RAC daemons. Installing Cluster Ready Services. Install Database Software.
	Storage Options for RAC Database files: Introduction to ASM, Advantages of ASM, Parameters used to configure ASM. Creating ASM instance in RAC, Introduction to OCFS2, Advantages of OCFS2, Database creation in RAC, Required RAC database files. Parameters used for RAC database. RAC Initialization Parameter Files, Creating the Cluster Database, Manage redo log groups in a RAC environment, Manage undo tablespaces in RAC Environment.
	Administrating RAC: Enabling and Disabling instances, Working with spfile in RAC Environment. Archiving schemes in RAC. Management of OCR and Voting Disk.(Adding, Removing)
	MANAGING BACKUP AND RECOVERY IN RAC: Consideration for Logical Backups in RAC. Consideration of Flash Recovery Area in RAC, Physical Backup and Recovery in RAC through RMAN.
	High availability connections configuration : Configure client side connect-time load balancing, Configure server side connect-time load balancing, Fast Application Notification (FAN), Configure server side callouts, Configure Transparent Application Failover (TAF), Configure and manage Services
	Enterprise Manager: Enterprise manager configuration for RAC.emctl commands for EM, Administrating Services with EM, Administering Alerts with EM, Configuration of backup with EM.
Week - 2	RAC administration with srvctl commands: Starting and stopping instances and database, Managing services with srvctl commands. Installation of OCFS2
	DESIGN FOR HIGH AVAILABILITY: Migration to RAC (single instance to multi-instance), Adding and deleting nodes in existing RAC.
	RAC PERFORMANCE TUNING : Determine RAC specific tuning components. Automatic Workload Repository and Automatic Database Diagnostic Monitor in RAC, EM Cluster Database Performance pages.
	... End of the Course ...